

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1410764	sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/26 16:51
S2	57783	S1 same (control adj circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 09:27
S3	15162	S2 same (switching switches switch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 09:27
S4	208	S3 same (abnormal overvoltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 09:34
S5	15	wagner-ekkehart-peter.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 09:39
S6	720	361/91.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 09:40
S7	0	S6 and (gas adj sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 09:41
S8	20651	(gas adj sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:08

## EAST Search History

S9	882355	(internal adj combustion adj engine) (ICE)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:09
S10	667	S9 same (exhaust adj gas adj sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:10
S11	811	S9 same (exhaust near gas near sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:10
S12	4848	S9 same (exhaust with gas with sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:10
S13	0	S10 same (voltage near2 protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:11
S14	3	S10 same (voltage with protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:14
S15	889849	(voltage adj2 protec\$3) (exhaust adj2 gas adj2 sensor) (ICE (internal adj combustion adj engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:15
S16	0	(voltage adj2 protec\$3) (exhaust adj2 gas adj2 sensor) (ICE (internal adj combustion adj engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/03/29 10:15

## EAST Search History

S17	0	(voltage overvoltage) and (protect\$3) (exhaust adj gas adj sensor) (ICE (internal adj combustion adj engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/03/29 10:16
S18	0	(voltage overvoltage) (protect\$3) (exhaust adj gas adj sensor) (ICE (internal adj combustion adj engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/03/29 10:16
S19	1	(voltage ) (protect\$3) (exhaust adj gas adj sensor) (ICE (internal adj combustion adj engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/03/29 10:53
S20	904	(oxygen adj sensor) (exhaust adj gas adj sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/03/29 10:54
S21	19136	(oxygen adj sensor) (exhaust adj gas adj sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:54
S22	230	S21 same (transient overvoltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 10:54
S23	26	S22 same (switch switches switching)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 11:34
S24	1	("4046118").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/24 14:57
S25	20481	(oxygen adj sensor) (exhaust adj gas adj sensor) (lambda adj probe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 09:16

## EAST Search History

S27	1870	S25 same (switch switches switching)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 09:16
S28	52	S27 same (surge transient overvoltage over\$1voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 09:17
S29	25	("4101404"   "4147513"   "4178358"   "4249965"   "4310302"   "4485002"   "4490108"   "4588493"   "4592825"   "4596526"   "4606807"   "4759827"   "4784728"   "4805881"   "4808294"   "4875981"   "4875990"   "5074987").PN. OR ("5211820"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/24 09:26
S30	2	((("4046118") or ("5211820"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/24 14:57
S31	11	((over or transient or abnormal) near voltage) with (protect\$3 or detect\$3 or sens\$3 or monitor\$3) same (exhaust with gas with sens\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/26 16:54
S32	11	((over or transient or abnormal) near voltage) with (protect\$3 or detect\$3 or sens\$3) same (exhaust with gas with sens\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/26 16:59
S33	146066	"361"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/26 16:55
S34	0	S32 AND S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/26 16:55

## EAST Search History

S35	0	(over\$1voltage protection gas sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2006/09/26 16:59
S36	782	361/91.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 07:24
S37	679	361/91.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 07:39
S38	0	S37 and ((oxygen adj sensor) (linear adj exhaust adj gas adj sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 07:40
S39	0	S36 and ((oxygen adj sensor) (linear adj exhaust adj gas adj sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 07:40
S40	99	((oxygen adj sensor) (linear adj exhaust adj gas adj sensor)) and (overvoltage over\$1voltage (over adj voltage) undervoltage under\$1voltage (under adj voltage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 07:41
S41	17916	((oxygen adj sensor) (linear adj exhaust adj gas adj sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 09:41
S42	19	S41 same (overvoltage over\$1voltage (over adj voltage) undervoltage under\$1voltage (under adj voltage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 10:56

## EAST Search History

S43	1	((oxygen adj sensor) (linear adj exhaust adj gas adj sensor)) and (engine) and (control\$3) and (switch\$3) and (detect\$3 monitor\$3 sense sensor) and ((over adj voltage) over\$1voltage under\$1voltage (under adj voltage) (abnormal))).clm.	US-PGPUB	OR	OFF	2006/09/27 11:00
S44	538	361/90.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 11:32